

MAT 127: Calculus C, LO2, Spring 2015

Supplementary Course Information

Course Websites

All homework assignments, exam information, and a lot more will be posted on the main website for MAT 127,

<http://math.sunysb.edu/~khuri/MAT127.html>.

A supplementary website for LO2 will be maintained at

<http://math.sunysb.edu/~azinge/mat127-spr15>.

This website will contain a link to the main course website, the daily schedule for L02, and additional handouts, including *Additional Course Information*. Please visit both websites regularly and print out all handouts as soon as possible. Additional handouts will appear as the semester progresses.

Both course websites, your grades, and the *WebAssign* portion of the homework will be accessible through *BlackBoard*. If you notice any inaccuracy in your grades, please let me know right away; it may not be possible to fix such issues once too much time has elapsed.

Prerequisites

In order to take MAT 127, you must have either completed MAT 126 with a grade of *C* or higher or achieved at least level 8 on the Mathematics Placement Examination. Furthermore, you must have *solid* understanding of the topics covered in MAT 123, 125, and 126 (otherwise, you'll almost certainly fail MAT 127).

In order to test your readiness for this course, please go to the L02 website, print out the *MAT 127 Early Exam* from Fall 2010, and take it under self-imposed test conditions. It consists of 20 multiple choice questions. A score below mid-to-upper teens would indicate that there is background material that you need to review; see *Additional Course Information* for review suggestions. Please take this test this evening so that you can start catching up as soon as possible.

Final-Semester Students

If you are expecting to graduate at the end of this term and need to pass MAT 127 in order for this to happen, please come to my office hours during the first two weeks of the semester or stay to discuss things after the lecture on Wednesday, 01/28, or Monday, 02/02. If this is too much for you to bother with, please switch to a different lecture of MAT 127 before Tuesday, 02/03; L04 in particular has lots of available spots.

Course Description

MAT 127 is the final part of the three-part one-variable calculus sequence MAT 125-126-127. It continues where MAT 126 left off and covers the final two chapters of the textbook: 7 and 8. These chapters build on the notions developed in MAT 125 and 126 to introduce two (seemingly) separate concepts: ordinary (i.e. one independent variable) differential equations and infinite power series. These are essential in many areas of mathematics, science, and engineering and are in fact closely related, as many real-life problems can be modeled by differential equations and solutions to these equations are often described by power series. Please read *Additional Course Information* for more details about this course

Unlike MAT 125 and 126, there are no recitation sections in MAT 127, but the lectures themselves are fairly small. You are very much encouraged to actively participate in the class; please do ask questions during lecture (and come to office hours!).

Teaching Staff

	<i>Instructor/E-mail</i>	<i>OHs</i>
LO1: MWF 10:00–10:53am Javits 103	Marcus Khuri (Course Coordinator) khuri@math.sunysb.edu	MWF 11am-noon Math 3-122
LO2: MW 4:00–5:20pm Hvy Engr 201	Aleksey Zinger azinger@math.sunysb.edu	Tu 9am-noon* Math 3-111
LO3: MWF 11-11:53am Earth&Space 131	Marie-Louise Michelsohn mlm@math.sunysb.edu	MWF 10-11am Math 5-113
LO4: TuTh 8:00-9:20am Lgt Engr 152	Ali Daemi adaemi@scgp.stonybrook.edu	MTh 2:30-4pm SCGP 304
LO5: TuTh 4:00-5:20pm Library E4315	Yuanqi Wang ywang@scgp.stonybrook.edu	TuTh 2-3:30pm Math 4-104
grader	Xiaojie Wang wang@math.sunysb.edu	M 9-10am, Math 5-125B W 4-6pm, MLC

*I would also be happy to answer questions immediately after the lecture.

Please free to attend the office hours of any of the lecturers (as well as of the grader). Additional help is available through the Math Learning Center, which is located in Math S-240A and staffed by math grad students and faculty, and through the Residential Tutoring Centers, which are open in late evenings.

You can switch to a different lecture before the Add/Drop Date (Friday, February 6), provided its enrollment is below the limit. If you are unable to attend a class in your lecture or would like to see a specific topic again, you may attend another lecture. However, if the availability of seats becomes an issue, the students actually registered in the lecture and arriving on time will have priority.

It is extremely important that you keep up with the course from the start; it will be much harder to catch up later. If you encounter any difficulty with anything in this class, *please talk to somebody*: this course's teaching staff, MLC/RTC staff, or other students.